

October 8, 1986

TO: File

FROM: David M. Wham, Reclamation Hydrologist

RE: Initial Feasibility Review, Submittal of September 4, 1986,
Gold Strike Mine, Inspiration Gold Incorporated,
PR0/053/005, Washington County, Utah

The operator should provide information concerning the hydrologic design of all portions of natural channels and flood plains which are proposed to be covered, restricted, or rerouted by roads, pads, fills, or diversions.

The operator should provide a description of the sediment and erosion control measures (i.e., sedimentation ponds, percolation basins, gabions, berms, trenches, diversions, contour furrows, silt fences, etc.) which will be proposed on the site to ensure that disturbed area runoff will be adequately controlled and treated.

Plans addressing proposed structures should include the following information, for both operational and post-mining (reclamation) configurations.

1. A map of suitable scale which clearly delineates the watershed area(s) contributing runoff to each hydrologic structure.
2. A statement of the runoff attributable to the design storm event and the calculations used in determining such runoff.
3. Detailed dimensional drawings of the proposed structures accompanied by descriptions of design methodologies, assumptions and supporting calculations.

This Division will most likely defer to the requirements of the State Department of Health (Division of Environmental Health, Bureau of Water Pollution Control), concerning the specific design requirements for such features as leach ponds and liners, leak detection systems, allowable concentrations of residual cyanide and the final disposition of tailings. Therefore, it is strongly recommended that the State Department of Health be contacted prior to a determination of project feasibility.

jvb
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